

In the claims:

Claims 1-4 cancelled.

5. (Currently amended) ~~A method as defined in claim 1~~ A method of regulation of iodine exchange or prophylaxis of iodine deficit, comprising the steps of providing an agent in form of iodinated organic compound containing iodinated protein and/or its low molecular component which includes at least one of the following amino acids; phenylalanine and tryptophan, and administering the agent to a patient in a quantity required for regulation of iodine exchange or prophylaxis of iodine deficit; and further comprising using iodinated lactoglobulin as in the iodinated protein.

6. (Currently amended) ~~A method as defined in claim 1~~ A method of regulation of iodine exchange or prophylaxis of iodine deficit, comprising the steps of providing an agent in form of iodinated organic compound containing iodinated protein and/or its low molecular component which includes at least one of the following amino acids; phenylalanine and tryptophan, and administering the agent to a patient in a quantity required for regulation of iodine exchange or prophylaxis of iodine deficit, wherein said administering includes using the agent as a component of foodstuff.

7. (Currently amended) ~~A method as defined in claim 1~~ A method of regulation of iodine exchange or prophylaxis of iodine deficit, comprising the steps of providing an agent in form of iodinated organic compound containing iodinated protein and/or its low molecular component which includes at least one of the following amino acids: phenylalanine and tryptophan, and administering the agent to a patient in a quantity required for regulation of iodine exchange or prophylaxis of iodine deficit, wherein said administering includes using the agent as a component of vitaminized complex.

8. (Currently amended) ~~A method as defined in claim 1~~ A method of regulation of iodine exchange or prophylaxis of iodine deficit, comprising the steps of providing an agent in form of iodinated organic compound containing iodinated protein and/or its low molecular component which includes at least one of the following amino acids: phenylalanine and tryptophan, and administering the agent to a patient in a quantity required for regulation of iodine exchange or prophylaxis of iodine deficit, wherein said administering includes using the agent as a component of mineral complex.

9. (Currently amended) ~~A method as defined in claim 1~~ A method of regulation of iodine exchange or prophylaxis of iodine deficit, comprising the steps of providing an agent in form of iodinated organic compound containing

iodinated protein and/or its low molecular component which includes at least one of the following amino acids; phenylalanine and tryptophan, and administering the agent to a patient in a quantity required for regulation of iodine exchange or prophylaxis of iodine deficit, wherein said administering includes using the agent as a component of a drink.